

IN THE CLAIMS

1-68. (Previously canceled)

69. (Currently amended) A vaccine against *Actinobacillus pleuropneumoniae*, comprising an immunologically effective amount of

(a) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 172 of SEQ ID NO:2,

(b) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 22 to amino acid residue 215 of SEQ ID NO:4,

(c) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 28 to amino acid residue 258 of SEQ ID NO:6,

(d) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 364 of SEQ ID NO:8, and

(e) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 369 of SEQ ID NO:10; an adjuvant; and a veterinarily acceptable carrier or diluent.

70. (Previously added) The vaccine of claim 69, wherein one or more of the polypeptides is a fusion protein comprising a carrier or fusion partner joined to the polypeptide.

71. (Previously added) The vaccine of claim 69, further comprising an immunomodulatory component.

72. (Previously canceled)

73-75. (Withdrawn from consideration)

76. (Currently amended) A vaccine kit for vaccinating swine against APP, comprising a container comprising an immunologically effective amount of

(a) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 172 of SEQ ID NO:2,

(b) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 22 to amino acid residue 215 of SEQ ID NO:4,

(c) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 28 to amino acid residue 258 of SEQ ID NO:6,

(d) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 364 of SEQ ID NO:8, and

(e) a substantially purified polypeptide comprising the amino acid sequence of amino acid residue 20 to amino acid residue 369 of SEQ ID NO:10; and an adjuvant.

77. (Previously added) The kit of claim 76, further comprising a second container comprising a veterinarily acceptable carrier or diluent.

78-90. (Withdrawn from consideration)